

Views on Rel.17 Items

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Rel. 17 items: Justification

Verticals

- Automotive
 - In addition to the sidelink features in Rel. 16 for NR-V2X, enhanced sidelink functionalities and coordination with Uu can realize reduced latency and increased reliability
- Factory Automation
 - Positioning techniques in factory environments are to be investigated during Rel. 16. Mobile UE positioning in the factory environment can be considered during Rel. 17
 - Studies on IDLE or INACTIVE mode positioning, targeting reduction of power consumption at devices, were postponed due to lack of time during Rel. 16
 - Machine to machine communication for factory automation: D2D optimized for factory automation can be considered

Technology

- RAT independent positioning
 - Optimization of structures of assistance information targeting narrowband IoT applications can be considered

Rel. 17 items: Objectives

Verticals

- Automotive
 - Coordination between Uu and PC5 for relaying data
 - Enhanced sidelink functionalities (e.g., multiple unicast sessions, pre-emption among multiple unicast sessions)
 - Network slicing for V2X communication for latency reduction and reliable communication
 - Positioning
- Factory Automation
 - Positioning considering the following objectives
 - Medium to high mobility UEs in factory environments
 - Power saving (e.g., INACTIVE/IDLE mode positioning)
 - D2D communication for factory automation
 - Study on QoS parameters

Technology

- RAT independent positioning
 - Locating narrowband IoT devices (e.g., compact list of parameters) focusing on power saving features and bandwidth efficient correction messaging
 - Seamless indoor UE positioning
 - Enhanced hybrid (RAT dependent and independent) positioning considering interoperability